

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended) An optical switch comprising an input side collimator lens array having a plurality of optical fibers to each of which an optical signal is input, a switching mechanism for an optical signal path, and an output side collimator lens array having optical fibers that output switched optical signals,

wherein at least one of said input side collimator lens array and said output side collimator lens array comprises:

a first substrate having mounting grooves which are formed in a main surface of said first substrate and in each of which a corresponding collimator lens in optical communication with the optical fiber is mounted, and first positioning grooves formed in said main surface;

a second substrate having mounting grooves which are formed in a main surface of said second substrate and in each of which a corresponding collimator lens in optical communication with the optical fiber is mounted, and through-holes; ~~and~~

positioning members respectively arranged between said first positioning grooves and ~~first through-holes; and~~

wherein the mounting grooves, the first positioning grooves, and the through holes are formed by surfaces along crystal faces of the first and second substrates.

Claim 2 (original) The optical switch according to claim 1, wherein said second substrate has second positioning grooves in the main surface in which the mounting grooves are formed.

Claim 3 (canceled).

Claim 4 (currently amended) The optical switch according to claim 1, wherein the collimator ~~lens~~lenses are respectively arranged in the mounting grooves formed in the first substrate~~at least one of said input side collimator lens array and said output side~~

~~collimator lens array~~ via an elastic member having a smaller elastic modulus than the first substrate ~~in which said mounting grooves are formed.~~

Claim 5 (original) The optical switch according to claim 1, wherein said through-holes are formed from the same side as that in which said mounting grooves are formed.

Claim 6 (canceled).

Claim 7 (currently amended) The optical switch according to claim 1, wherein an upper end of each of said positioning members mounted between the first and the second said substrates is formed higher than an upper end of each of the collimator lenses mounted on said first substrate.

Claim 8 (currently amended) An optical switch comprising an input side collimator lens array having a plurality of optical fibers to each of which an optical signal is input, a switching mechanism for an optical signal path, and an output side collimator lens array having optical fibers that output switched optical signals,

wherein at least one of said input side collimator lens array and said output side collimator lens array comprises:

a first substrate having first mounting grooves which are formed in a main surface of said first substrate and in each of which a first collimator lens is mounted, first positioning grooves arranged at both sides of the first said mounting grooves; second positioning grooves formed in a surface opposite to said main surface and at both sides of an area corresponding to an area in which said first mounting grooves are formed;

a second substrate arranged opposite said main surface of said first substrate, and having third ~~positioning~~ mounting grooves formed in a surface of said second substrate which is opposite said first substrate and at positions opposite to said first positioning grooves;

a third substrate arranged opposite said opposite surface of said first substrate, and having fourth positioning grooves formed in a surface of said third substrate

which is opposite said first substrate and at positions opposite to said second positioning grooves;

first positioning members arranged between said first positioning grooves and third positioning grooves; and

second positioning members arranged between said second positioning grooves and fourth positioning grooves,

wherein ~~one of the~~ said first positioning ~~grooves~~ ~~groove~~ located in a first direction with respect to the first mounting grooves of the first substrate is formed in an area located at a distance larger than a distance from the first mounting grooves ~~to one of~~ the second positioning ~~grooves located in the first direction~~ ~~groove~~, and

~~the other of~~ said first positioning ~~grooves~~ ~~groove~~ located in an opposite direction ~~to of~~ the first direction with respect to the first mounting grooves of the first substrate is formed in an area located at a distance smaller than ~~the~~ distance from the first mounting grooves ~~to~~ the other of the corresponding second positioning ~~grooves located in an opposite direction~~ ~~groove~~.

Claim 9 (currently amended) A collimator lens array comprising a plurality of collimator lenses in communication with optical fibers, said collimator lens array comprising:

a first substrate having first mounting grooves which are formed in a main surface of said first substrate and in each of which a first collimator lens is mounted, first positioning grooves formed with said mounting grooves between second positioning grooves formed in a surface opposite to said main surface and with an area corresponding to an area in which said first mounting grooves are formed between;

a second substrate arranged opposite said main surface of said first substrate, and having third ~~positioning~~ ~~mounting~~ grooves formed in a surface of said second substrate which is opposite said first substrate and at positions opposite to said first positioning grooves;

a third substrate arranged opposite said opposite surface of said first substrate, and having fourth positioning grooves formed in a surface of said third substrate which is opposite said first substrate and at positions opposite to said second positioning grooves;

first positioning members arranged between said first positioning grooves and third positioning grooves; and

second positioning members arranged between said second positioning grooves and fourth positioning grooves,

wherein one of said first positioning ~~grooves~~groove located in a first direction with respect to the first mounting grooves of the first substrate is formed in an area located at a distance larger than a distance from the first mounting grooves to one~~till~~ the second positioning ~~grooves~~groove located in the first direction, and

the other of said first positioning ~~grooves~~groove located in an opposite direction ~~to~~ of the first direction with respect to the first mounting grooves of the first substrate is formed in an area located at a distance smaller than ~~a~~ the distance from the first mounting grooves ~~to till~~ the other of the corresponding second positioning ~~groove~~grooves located in an opposite direction.

Claim 10 (currently amended) A collimator lens array comprising a plurality of collimator lenses in communication with optical fibers, said collimator lens array comprising:

a first substrate having first mounting grooves which are formed in a main surface of said first substrate and in each of which a first collimator lens is mounted, first positioning grooves arranged with the first ~~said~~ mounting grooves between; second positioning grooves arranged in a surface opposite to said main surface and with an area corresponding to an area in which said first mounting grooves are formed between;

a second substrate arranged opposite said main surface of said first substrate, and having third ~~mounting~~ positioning grooves formed in a surface of said second substrate which is opposite said first substrate and at positions opposite to said first positioning grooves;

a third substrate arranged opposite said opposite surface of said first substrate, and having fourth positioning grooves formed in a surface of said third substrate which is opposite said first substrate and at positions opposite to said second positioning grooves;

first positioning members arranged between said first positioning grooves and third positioning grooves;

second positioning members arranged between said second positioning grooves and fourth positioning grooves, ~~and~~

a pressing mechanism that presses said second substrate and said third substrate against said first substrate, and

wherein the first mounting grooves and the first, second, third and fourth positioning grooves are formed by surfaces along crystal faces of the first, second, and third substrates.